

Exhibit 300: Capital Asset Summary

Part I: Summary Information And Justification (All Capital Assets)

Section A: Overview & Summary Information

Date Investment First Submitted: 2009-06-30
Date of Last Change to Activities: 2012-08-01
Investment Auto Submission Date: 2012-02-29
Date of Last Investment Detail Update: 2012-02-29
Date of Last Exhibit 300A Update: 2012-08-01
Date of Last Revision: 2012-08-01

Agency: 005 - Department of Agriculture **Bureau:** 05 - Departmental Management

Investment Part Code: 03

Investment Category: 00 - Agency Investments

1. Name of this Investment: USDA Identity & Access Management

2. Unique Investment Identifier (Ull): 005-000002224

Section B: Investment Detail

- 1. Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments.**

The USDA Identity and Access Management (IAM) investment provides enterprise identity authentication and authorization services. Identity assurance is required for successful operation of public-facing grant and other programs. Other identified agency needs include use of smart cards for laptop/PC login, access to web applications, and physical access to controlled facilities. The IAM investment meets these identified needs with several projects comprising an enterprise Identity and Access Management approach. The investment components accept source identity information (with appropriate verification), store it, process it, and deliver needed elements upon demand to USDA systems as they carry out PMA E-Government work. This combined investment umbrella includes several components including eAuthentication, Identity Management, Background Investigation Management, Credentialing, and Physical Access Control Systems. eAuthentication provides access protection and login authentication and user authorization for USDA websites. Identity Management provides the real-time interface system between stored identity data and agency systems requiring identity verification for authentication and permissions,. Background Investigation (BI) manages required investigations for employees. The Credential Management (CM) project implemented the President's HSPD-12 identity card requirement and maintains, replaces and issues cards to new employees and contractors. The Enterprise Physical Access Control System (ePACS) was established to meet the HSPD-12 requirement

that all departments and agencies use the HSPD-12 credential to gain access into federally controlled facilities. Enterprise Identity Management System (EIMS), a component within Identity Management, is a foundational system for using identity data to control access to individual laptop/desktop computers, terminals, web applications, and other applications. In FY12 and beyond, eAuthentication and EIMS will be integrated with the Enterprise Entitlement Management Service (EEMS) as part of the overarching Federal Identity, Credential, and Access Management (ICAM) initiatives aimed at providing a common framework, enabling the Federal government to interact with external organizations and individuals and will manage identity data.

2. How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.

The USDA IAM investment improves access control through a set of integrated tools to manage the identity, entitlements, and roles for all USDA computer users, including an Identity Management system, an Enterprise directory, provisioning and workflow engines, and an auditing and reporting application. USDA must implement a strong access control environment to address control surrounding access to its mission critical systems and data, protect confidential personal and business information from unauthorized access, and meet FISMA and OMB Circular A-123 requirements. ICAM and EEMS reduce the business risk exposure of USDA networks and data, and represent an enterprise-wide vision for securing the USDA technical infrastructure and business applications, as well as protecting the rights of individuals. EEMS leverages USDA existing C&A commercial software investment to provide the critical entitlement management layer and will deliver long term benefits to the USDA, including 1) improving the speed, and efficiency, and accuracy of centralized identity management; 2) increased security posture; 3) cost savings reduction of unneeded manual processes; 4) increased application stability and administration; 5) compliance management (A-123 & FISMA); and 6) auditing and reporting requirements. ePACS supports HSPD-12 and FICAM requirements that all departments and agencies use the HSPD-12 credential to gain access into federally controlled facilities. The overall intent of ePACS is to provide the functionality to coordinate USDA PACS nationwide which includes providing global real time revocation, electronic authentication, an authoritative PACS database, auditable transactions, future scalability and cost savings, and Authority to Operate (ATO).

3. Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.

Deployed the EEMS infrastructure, Development of use cases to reflect best practices and compliance needs based on A-123 and FISMA, Coordination with the Agencies and Staff Offices to deploy business processes and EEMS tools, Coordination and development of application connectors, such as AgLearn and HSPD-12, to EEMS, Implementing operation and maintenance processes for the completed infrastructure and integrations, Connected eAuthentication web user and employee data with EEMS, and Provided the ability for USDA contractors to login to eAuthentication with LincPass card. ePACS is now fully operational in a virtual hosting environment. The physical/hardware servers have been decommissioned and repurposed. Server virtualization saved the ePACS project \$302,217 in FY11. In the last 7 months of FY11, ePACS saved \$148,217 by virtualizing servers. Cost savings for FY12 and

beyond will be greater due to realizing the savings for the entire year rather than 7 months.

4. Provide a list of planned accomplishments for current year (CY) and budget year (BY).

Implement and deploy changes required to process data feeds produced by the OCFO National Finance Center's Person Model system. Migrate infrastructure and applications to the National Information Technology Center's data center. Expand the DR capability of EEMS to include high availability. Upgrade the ICAM PKI environment to comply with USDA policy, NIST and FPKIPA requirements. Provide standard and customized EEMS reports for agencies. Expand the usage of automatic provisioning and deprovisioning of logical and physical access. Provide an Online Identity Proofing service that will augment the current physical identity proofing process. Improve eAuthentication user interface for mobile device web browsers. Initiate and plan the implementation to support external credentials (e.g. Google) in eAuthentication. Initiate and plan the implementation to support FS and DOI access/authentication requirements. Initiate and plan the implementation to support interagency Federation using the PIV card in EEMS and eAuthentication. The planned accomplishments for ePACS are to integrate with EEMS. Development involved with this integration will include more data attributes that will allow ePACS to gather more information on cardholder actions. In order to meet the requirements of DM 4620 that all agencies within USDA are integrated with ePACS, USDA continues to support migrations and integrations of USDA secure facilities into the ePACS solution. A planned accomplishment for CY and BY is determining a solution for meeting NIST SP 800-116 requirements regarding physical access authentication mechanisms. The current ePACS infrastructure is being examined to determine what types of hardware and software upgrades are necessary to provide a higher level of access control. It is also planned to begin issuing the PIV-A credential, which will meet USDA requirements for allowing short-term employees physical and logical access to USDA facilities and networks.

5. Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.

2012-01-12

Section C: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.C.1 Summary of Funding

	PY-1 & Prior	PY 2011	CY 2012	BY 2013
Planning Costs:	\$1.5	\$0.0	\$0.0	\$0.0
DME (Excluding Planning) Costs:	\$1.2	\$0.0	\$0.0	\$0.0
DME (Including Planning) Govt. FTEs:	\$0.0	\$0.0	\$0.0	\$0.0
Sub-Total DME (Including Govt. FTE):	\$2.7	0	0	0
O & M Costs:	\$49.4	\$16.5	\$17.2	\$16.5
O & M Govt. FTEs:	\$0.6	\$0.0	\$0.0	\$0.0
Sub-Total O & M Costs (Including Govt. FTE):	\$50.0	\$16.5	\$17.2	\$16.5
Total Cost (Including Govt. FTE):	\$52.7	\$16.5	\$17.2	\$16.5
Total Govt. FTE costs:	\$0.6	0	0	0
# of FTE rep by costs:	3	0	0	0
Total change from prior year final President's Budget (\$)		\$-0.7	\$-0.1	
Total change from prior year final President's Budget (%)		-4.10%	-0.70%	

2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:

N/A

Section D: Acquisition/Contract Strategy (All Capital Assets)

Table I.D.1 Contracts and Acquisition Strategy

Contract Type	EVM Required	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	IDV Agency ID	Solicitation ID	Ultimate Contract Value (\$M)	Type	PBSA ?	Effective Date	Actual or Expected End Date
Awarded	1205	AG3142D100462	GS02F0048M	4730							
Awarded	1205	AG3142D110124	GS06F0661Z	4730							

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:

The Identity & Access Management (IAM) investment involves both OCIO and DM projects. The projects are in Operations & Maintenance status (Steady-State) and do not require EVM.

Exhibit 300B: Performance Measurement Report

Section A: General Information

Date of Last Change to Activities: 2012-08-01

Section B: Project Execution Data

Table II.B.1 Projects

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost (\$M)
EA-001	eAuth Modernization	Modernization of the eAuthentication Service to align with USDA's ICAM target vision and to integrate fully with the USDA-ICAM architecture and EEMS suite of services.			
EE-001	EEMS IDM Readiness	Implementation of Identity Manager.			
EP-001	ePACS: PIV-A	Implementation of solution that meets USDA requirements for short-term employees to have physical and logical access.			
EP-002	ePACS: EEMS Integration	Integration of ePACS with EEMS to obtain cardholder identity information from GSA.			
EP-004	ePACS: Visitor Management Solution	Research and implement a solution for managing access credentials for visitors to USDA secure facilities.			
H-001	Person Model Readiness	Infrastructure and process modification to accommodate the National Finance Center's new human resource application called the Person Model, a			

Table II.B.1 Projects

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost (\$M)
		PeopleSoft product.			
OM-FY11-01	FY11-Q1 O&M	On-going operations and maintenance work to support eAuthentication, EIMS, and EEMS.			
OM-FY11-02	FY11-Q2 O&M	On-going operations and maintenance work to support eAuthentication, EIMS, and EEMS.			
OM-FY11-03	FY11-Q3 O&M	On-going operations and maintenance work to support eAuthentication, EIMS, and EEMS.			
OM-FY11-04	FY11-Q4 O&M	On-going operations and maintenance work to support eAuthentication, EIMS, and EEMS.			
OM-FY12-01	FY12-Q1 O&M	On-going operations and maintenance work to support eAuthentication, EIMS, and EEMS.			
OM-FY12-02	FY12-Q2 O&M	On-going operations and maintenance work to support eAuthentication, EIMS, and EEMS.			
OM-FY12-03	FY12-Q3 O&M	On-going operations and maintenance work to support eAuthentication, EIMS, and EEMS.			
OM-FY12-04	FY12-Q4 O&M	On-going operations and maintenance work to support eAuthentication, EIMS, and EEMS.			
PKI-2	PKI 2.0	Upgrade PKI environment to support NIST standards (e.g. issuing SHA-256 certificates) and adding system redundancy.			

Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities (\$M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance (\$M)	Cost Variance (%)	Total Planned Cost (\$M)	Count of Activities
EA-001	eAuth Modernization							
EE-001	EEMS IDM Readiness							
EP-001	ePACS: PIV-A							
EP-002	ePACS: EEMS Integration							
EP-004	ePACS: Visitor Management Solution							
H-001	Person Model Readiness							
OM-FY11-01	FY11-Q1 O&M							
OM-FY11-02	FY11-Q2 O&M							
OM-FY11-03	FY11-Q3 O&M							
OM-FY11-04	FY11-Q4 O&M							
OM-FY12-01	FY12-Q1 O&M							
OM-FY12-02	FY12-Q2 O&M							
OM-FY12-03	FY12-Q3 O&M							
OM-FY12-04	FY12-Q4 O&M							
PKI-2	PKI 2.0							

Key Deliverables

Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)
OM-FY11-01	M1 FY11 O&M Work	M1 FY11 O&M Work	2010-10-30	2010-10-30	2010-10-25	29	5	17.24%
OM-FY11-01	M2 FY11 O&M Work	M2 FY11 O&M Work	2010-11-30	2010-11-30	2010-11-30	29	0	0.00%
OM-FY11-01	M3 FY11 O&M Work	M3 FY11 O&M Work	2010-12-30	2010-12-30	2010-12-29	29	1	3.45%
OM-FY11-02	M4 FY11 O&M Work	M4 FY11 O&M Work	2011-01-30	2011-01-30	2011-01-28	29	2	6.90%
OM-FY11-02	M5 FY11 O&M Work	M5 FY11 O&M Work	2011-02-28	2011-02-28	2011-02-28	27	0	0.00%
EA-001	eAuth Mod Project	Plan, define staffing	2011-03-11	2011-03-11	2011-03-11	4	0	0.00%

Key Deliverables								
Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)
	Planning	plan, obtain CA Proposal buyoff.						
EA-001	eAuth Mod Solution Requirements	Solution Requirements	2011-03-25	2011-03-25	2011-03-25	15	0	0.00%
EA-001	eAuth Mod Solution design	Design SiteMinder Configuration, document solution design, and review proposed options with USDA/CA	2011-03-28	2011-03-28	2011-03-28	11	0	0.00%
OM-FY11-02	M6 FY11 O&M Work	M6 FY11 O&M Work	2011-03-30	2011-03-30	2011-03-30	29	0	0.00%
OM-FY11-03	M7 FY11 O&M Work	M7 FY11 O&M Work	2011-04-30	2011-04-30	2011-04-30	29	0	0.00%
OM-FY11-03	M8 FY11 O&M Work	M8 FY11 O&M Work	2011-05-30	2011-05-30	2011-05-30	29	0	0.00%
OM-FY11-03	M9 FY11 O&M Work	M9 FY11 O&M Work	2011-06-30	2011-06-30	2011-06-30	29	0	0.00%
OM-FY11-04	M10 FY11 O&M Work	M10 FY11 O&M Work	2011-07-30	2011-07-30	2011-07-30	29	0	0.00%
OM-FY11-04	M11 FY11 O&M Work	M11 FY11 O&M Work	2011-08-30	2011-08-30	2011-08-30	29	0	0.00%
EA-001	Deploy to KC Dev	Deploy SiteMinder to KC Development environment	2011-09-16	2011-09-16	2011-09-16	81	0	0.00%
OM-FY11-04	M12 FY11 O&M Work	M12 FY11 O&M Work	2011-09-30	2011-09-30	2011-09-30	29	0	0.00%
EE-001	IDM Reports	Custom Reports & OOB Reports w/USDA Headers	2011-10-05	2011-10-05		92	-331	-359.78%
EP-001	PIV-A Project Plan	Create a Project Management Plan and Project Schedule.	2011-10-15	2011-10-15	2011-10-15	14	0	0.00%
EA-001	Deploy to KC Cert	Deploy SiteMinder to KC Certification environment	2011-10-20	2011-10-20	2011-10-20	13	0	0.00%
EP-001	PIV-A Project Planning	Plan and define staffing plan.	2011-11-07	2011-11-07	2011-11-04	6	3	50.00%
PKI-2	Identify NIST Requirements	Review NIST documentation and identify changes required to conform.	2011-12-14	2011-12-14	2011-12-14	1	0	0.00%

Key Deliverables								
Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)
EP-001	Build Staging Database(s)	Build staging databases for card and user information	2011-12-15	2011-12-15	2011-12-15	44	0	0.00%
PKI-2	PKI.2 Order HSM Equipment	Procure HSM equipment	2012-01-17	2012-01-17	2012-01-17	1	0	0.00%
PKI-2	HSM equipment delivered	HSM equipment delivered	2012-01-23	2012-01-23	2012-01-24	1	-1	-100.00%
EP-004	Project Plan for Vistor Management Solutions	Create a Project Management Plan and Project Schedule.	2012-01-30	2012-01-30	2012-01-30	29	0	0.00%
EP-002	Project Plan for EEMS Integration	Create a Project Management Plan and Project Schedule.	2012-01-31	2012-01-31	2012-01-31	30	0	0.00%
EP-002	Project Planning for EEMS Integration	Plan and define staffing plan.	2012-01-31	2012-01-31	2012-01-31	16	0	0.00%
PKI-2	Deploy Issuing CAs	Deploy Issuing CAs in Agency ADs (Repeating Task for each Customer)	2012-03-13	2012-03-13	2012-03-13	11	0	0.00%
PKI-2	Build PKI Infrastructure	Build PKI infrastructure	2012-03-16	2012-03-16	2012-03-16	73	0	0.00%
EA-001	Communications	Customer & Agency Communications/Documentation Planning and Development	2012-04-16	2012-04-16	2012-05-20	68	-34	-50.00%
EA-001	QA	QA	2012-04-27	2012-07-17	2012-07-17	477	-81	-16.98%

Section C: Operational Data

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
e-Auth: Response time to incident initiation for application integrations in production: a) Business hrs: <30 minutes b) Off hours: <60minutes	Percent	Customer Results - Timeliness and Responsiveness	Over target	90.000000	90.000000	99.000000	95.000000	Monthly
e-Auth: Response to new integration request submission with design document <1week	Percent	Customer Results - Timeliness and Responsiveness	Over target	90.000000	90.000000	90.000000	95.000000	Monthly
e-Auth: Compliance to cyber security regulations, C&A and A-123	Compliance	Process and Activities - Management and Innovation	Under target	90.000000	90.000000	90.000000	90.000000	Semi-Annual
ePACS: Reliability and Availability for system uptime. Amount of time that the system is operational (minus scheduled) maintenance windows	Percent	Technology - Information and Data	Over target	99.200000	99.200000	99.450000	99.200000	Monthly
EIMS: Compliance to cyber security regulations, C&A and A-123	Percent	Process and Activities - Management and Innovation	Under target	100.000000	100.000000	99.000000	99.000000	Semi-Annual
EIMS: Data synchronization daily to all available customer (agency) endpoints to provide interoperability of PIV (LincPass)	Percent	Technology - Efficiency	Over target	100.000000	100.000000	100.000000	100.000000	Monthly

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
credentials, personal authentication, access control, and card management.								
e-Auth: Data synchronization daily to all available customer (agency) endpoints to provide interoperability of PIV (LincPass) credentials, personal authentication, access control, and card management.	Percent	Technology - Efficiency	Over target	100.000000	100.000000	100.000000	100.000000	Monthly
ePACS: The number of HSPD-12 PIV cards (LincPass) issued equals 100% of the number of USDA NON-EMPLOYEES that require the credential.	Percent	Process and Activities - Productivity	Under target	75.000000	0.000000	0.000000	75.000000	Monthly
ePACS: Full HSPD-12 PACS compliance. Number of Agencies and facilities migrated into ePACS in FY12	Number	Mission and Business Results - Services for Citizens	Over target	0.000000	0.000000	0.000000	5.000000	Monthly
ePACS: Number of Light Activation Stations deployed. Document deployment efforts and maintain location database	Number stations added per month	Process and Activities - Productivity	Under target	0.000000	0.000000	0.000000	150.000000	Monthly
ePACS: Productivity and Efficiency of Badging privilege revocation to meet FICAM standards of 2	Hours	Process and Activities - Productivity	Over target	2.000000	2.000000	2.000000	2.000000	Monthly

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
hours. Meet new FICAM compliance standards of 2 hours for revocation								
ePACS: Total PIV Cardholders imported into system. Ongoing maintenance of 100% PIV cardholders in system following credential activation	Percent Complete	Technology - Efficiency	Over target	100.000000	100.000000	100.000000	100.000000	Monthly
ePACS: Increased facility administration response time from client workstations to ePACS infrastructure. Increase of system responsiveness for initial facility remote connection	Seconds	Technology - Efficiency	Over target	90.000000	90.000000	90.000000	90.000000	Monthly
ePACS: Number of days operational. Monitor system and provide report detailing system availability	Percent Complete	Technology - Information and Data	Over target	100.000000	100.000000	100.000000	100.000000	Monthly
ePACS: Availability percentage for system administrators to modify local facility access: Amount of time that the system is operational to include maintenance windows	Percent	Technology - Information and Data	Over target	97.500000	98.000000	99.460000	98.500000	Monthly
ePACs: The number of HSPD-12 PIV (LincPass) cards issued equals 100% of the number of USDA EMPLOYEES	Percent Complete (target adjusted to exclude typic	Process and Activities - Productivity	Over target	85.000000	95.000000	85.000000	100.000000	Monthly

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
that require the credential.								
ePACS: System Accessibility by end user. Ability of end users to authenticate to the system for physical access	Percent	Technology - Information and Data	Over target	99.250000	99.250000	99.250000	99.400000	Monthly
EEMS: Compliance to cyber security regulations, C&A and A-123	Compliance	Process and Activities - Management and Innovation	Over target	90.000000	0.000000	0.000000	90.000000	Semi-Annual
EEMS: Data synchronization daily to all available customer (agency) endpoints to provide interoperability of PIV (LincPass) credentials, personal authentication, access control, and card management.	Percent	Technology - Efficiency	Over target	90.000000	0.000000	0.000000	90.000000	Monthly